

7/3/2018

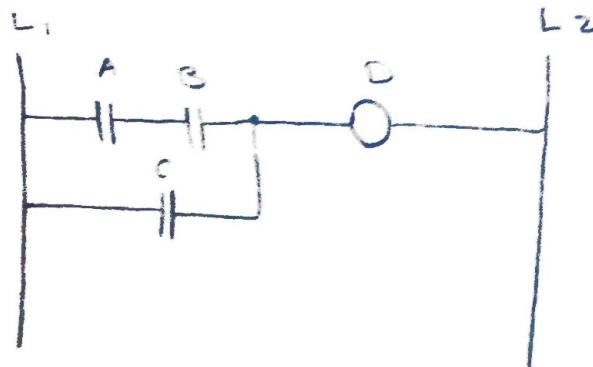
الأسبوع

م. د. عبد الله

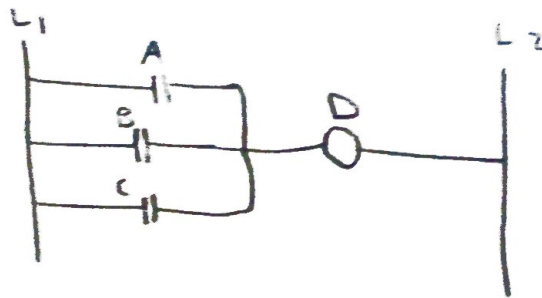
[3] لسان

Ladder Diagrams for sheet 3

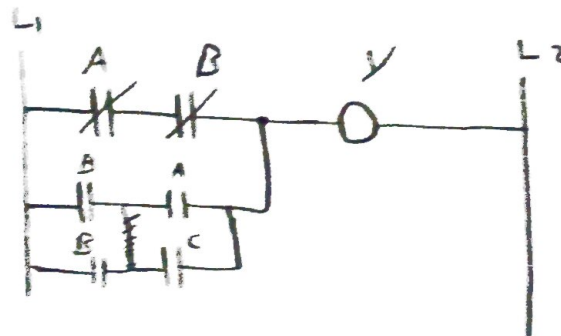
⑤ $D = AB + C$



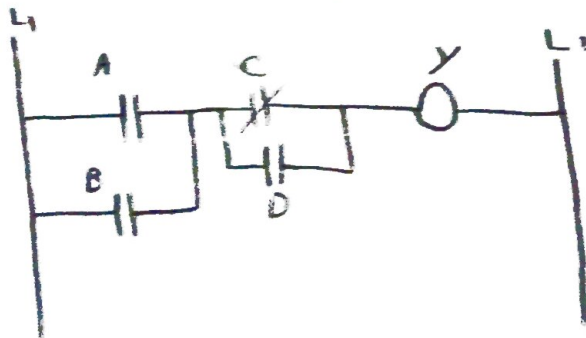
⑥ $D = A + B + C$



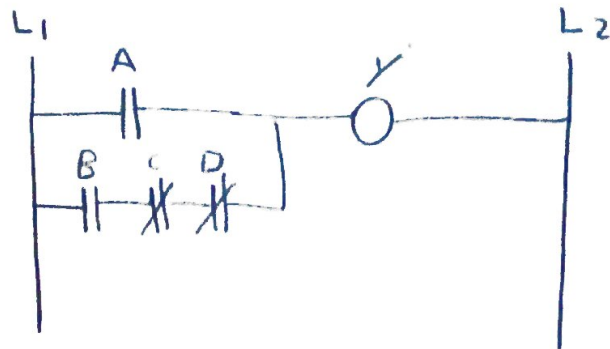
⑦ a) $y = A' B' + B(A + C)$



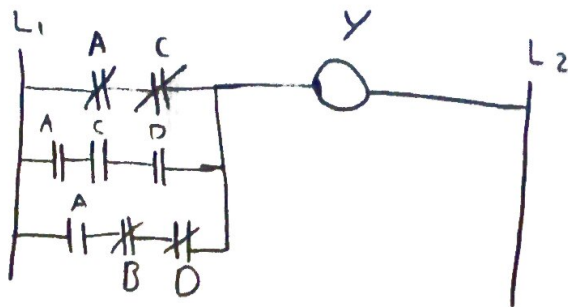
b) $y = (A + B)(C' + D)$



$$c) y = A + B(c + D)' = A + BC'D'$$

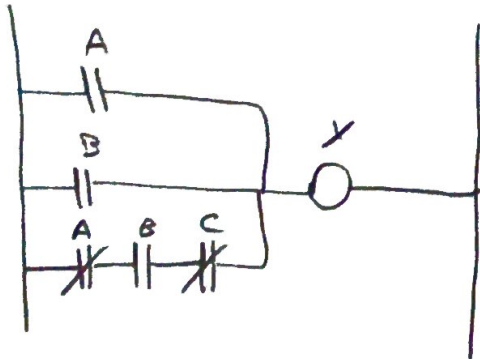


$$d) y = A'C' + ACD + AB'D'$$

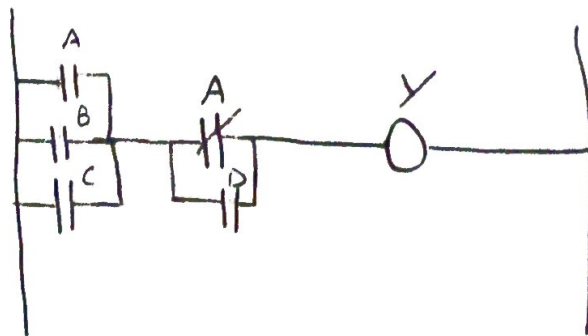


8) a)

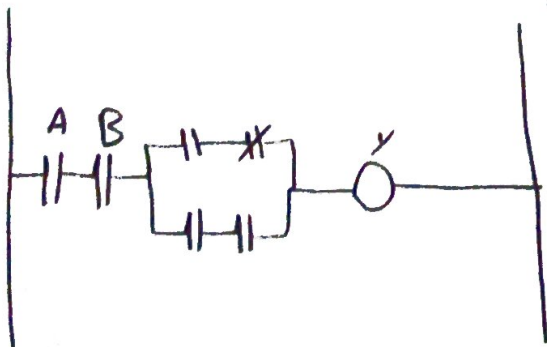
$$y = A + B + A'BC'$$



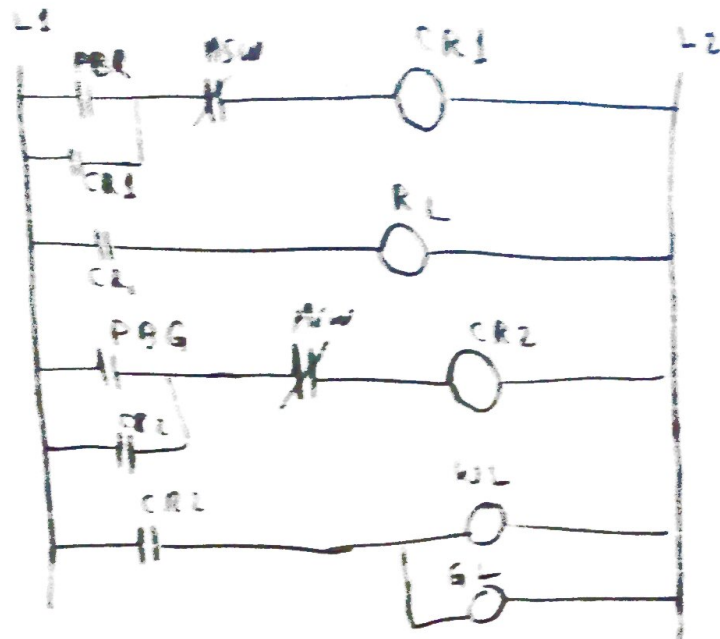
$$b) y = (A + B + C)(A' + D)$$



$$c) y = AB(CD' + EF)$$



7 MSW \rightarrow N.C. , PBR $\xrightarrow[\text{N.O.}]{\text{ON}}$ Red Light \rightarrow until MSW = 1
 PBG $\xrightarrow[\text{N.O.}]{\text{ON}}$ w, g lights \rightarrow until MSW = 1



12 MSW N.C. , PBR N.O. \rightarrow RL
 \rightarrow M1 ON
 PBG N.O. \rightarrow GL, WL, M1, M2

